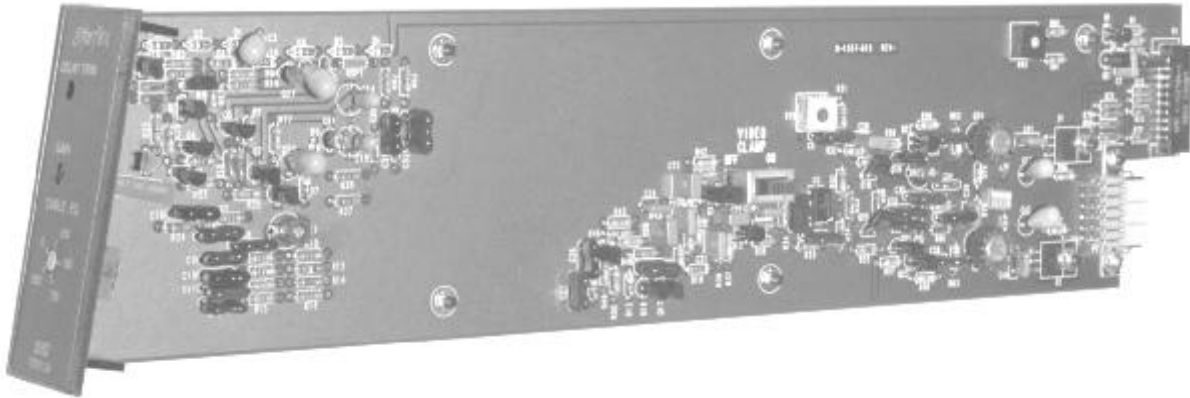




LINK ELECTRONICS, INC.

STARFLEX VIDEO DISTRIBUTION AMPLIFIER



FEATURES

- W Eight Outputs**
- W Feedback Clamp**
- W Delay Trim Adjustment**
- W Video Bandwidth 30 MHz**
- W Use For Video, Pulse or SC**
- W Cable Equalization, 1000 Feet**
- W Input, Differential Loop Through**

The 3550 Video Distribution Amplifier reflects the latest state of the art in engineering. The 3550 is the most versatile video amplifier on the market, and provides outstanding performance.

The 3550 offers transparent transmission, with a ± 3 dB frequency response to 30 MHz. A differential input is standard in the 3550, and provides more than 70 dB of common mode rejection.

MODEL 3550

The versatility of the 3550 is illustrated by its choice of built-in features. An internal switch selects feedback clamp ON and OFF. Cable equalization is adjustable from the front panel. The calibrated equalization control on the front panel compensates for loss in coax cable for up to 1000 feet of Belden 8281. A delay trim on the front panel allows matching of signal propagation delays through the 3550.

LINK ELECTRONICS, INC.

2137 Rust Ave.
Cape Girardeau, MO 63703
Phone: 573 334 4433
FAX: 573 334 9255

PROFESSIONAL SERIES--
modular television system products--by LINK

MODEL 3550

VIDEO DISTRIBUTION AMPLIFIER

INPUT:

Video Level: 1.0V p-p +3dB
 Subcarrier: 2.0V p-p +3dB
 Pulse Level: 4.0V p-p +3dB
 Impedance: > 100K Ω , bridging
 Common Mode Range: 16Vp-p, 60 Hz
 Maximum DC In: ± 5 VDC
 CMRR:
 > 60dB to 30KHz
 > 35dB to 1 MHz
 > 20dB to 5 MHz

OUTPUTS:

Number: 8, 75 Ω , BNC
 Level: Unity Gain ± 3 dB

AMPLIFIER PERFORMANCE:

Frequency Response: ± 0.05 dB to 10 MHz
 ± 0.1 to 15 MHz
 ± 1.0 dB to 20 MHz
 ± 3.0 dB to 30 MHz
 Differential Gain: <0.1%, 10% to 90% APL
 Differential Phase: <0.1°, 10% to 90% APL
 Clamping action: 40dB for 10% to 90% APL
 38dB for 60Hz AC
 DC Gain Stability: ± 0.1 dB
 Noise: >70dB, below 1.0V p-p
 Hum: >70dB, below 1.0V p-p
 Output Isolation: > -40dB at 3.58 MHz

Return Loss: 40dB to 6 MHz, 39dB to 20 MHz
 Tilt: <0.4%
 Ringing: <0.4%
 High Freq. Overshoot: <0.4%
 Coupling: DC Servo, Average DC output = 0
 Harmonic Distortion: SC @ 3.58Hz, 2Vp-p
 Less than 0.4% (-48dB)

FRONT PANEL CONTROLS:

Gain Control: ± 3 dB continuous from unity
 Test Points: I/O Signals, and Ground
 Cable Equalization: 1000 Feet, Belden 8281
 Propagation Delay Trim: 6~ @ 3.58 MHz

ENVIRONMENTAL:

Temperature: 0° C to 50° C, ambient
 Humidity: 10% to 90% non-condensing

POWER:

DC Voltages: + 15 VDC (150 mA)
 -15 VDC (150 mA)

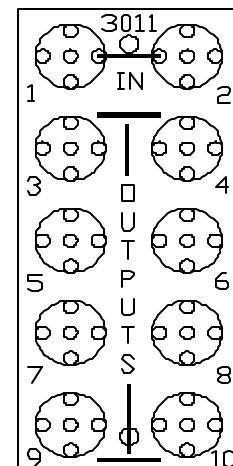
MECHANICAL:

Height: 2 7/8.
 Width: 1 1/2
 Depth: 11 7/8
 Weight: 7.5 oz

Mounting: Mounts In a STARFLEX Frame

LINK ELECTRONICS, INC.

2137 Rust Ave.
 Cape Girardeau, MO 63703
 Phone: 573 334 4433
 FAX: 573 334 9255



PROFESSIONAL SERIES--

modular television system products--by **LINK**

Rear Cell